What is claimed is:

1. A battery module, comprising:

a plurality of stacked cells being stacked, in each of which an electrolyte solution and a power generation element formed by stacking electrode plates are hermetically sealed by a package material, and electrode terminals connected individually to the electrode plates of the power generation element are drawn outward from the package material;

a pair of pressuring members arranged in a stack direction where the stacked cells are stacked;

a pressing mechanism for applying a pressing force between the pair of pressuring members to pressure the stacked cells in the stack direction; and

a managing member which manages a state of pressing the stacked cells by the pressing mechanism.

2. The battery module according to claim 1,

wherein a position regulating member which regulates a position of the stacked cells in a direction perpendicular to a direction where the stacked cells are pressured is provided between the pair of pressuring members.

3. The battery module according to claim 2,

wherein the position regulating member comprises attachment portions which temporarily hold connecting members

electrically interconnecting the electrode terminals of the stacked cells being stacked.

4. The battery module according to claim 3,

wherein the connecting members comprise:

terminal contact portions which contact the electrode terminals of the stacked cells; and

adjacent cell contacting portions which extends from the terminal contact portions and contact the connecting members adjacent thereto in the stack direction.

5. The battery module according to claim 1,

wherein the pressuring members at least partially protrude outward from stack portions of the stacked cells, and the protruding portions have a cooling function.

6. The battery module according to claim 2,

wherein the position regulating members comprise engaging portions which engage with outward-protruding portions of the package material housing the power generation element of each of the stacked cells therein and position a cell unit.

7. A battery module, comprising:

a plurality of stacked cells being stacked, in each of which an electrolyte solution and a power generation element

formed by stacking electrode plates are hermetically sealed by a package material, and electrode terminals connected individually to the electrode plates of the power generation element are drawn outward from the package material;

a pair of pressuring members arranged in a stack direction where the stacked cells are stacked;

pressing means for applying a pressing force between the pair of pressuring members to pressure the stacked cells in the stack direction; and

managing means for managing a state of pressing the stacked cells by the pressing means.

8. A method for manufacturing a battery module, comprising:

stacking a plurality of stacked cells, in each of which an electrolyte solution and a power generation element formed by stacking electrode plates are hermetically sealed by a package material, and electrode terminals connected individually to the electrode plates of the power generation element are drawn outward from the package material;

arranging a pair of pressuring members in a stack direction where the stacked cells are stacked;

applying a pressing force between the pair of pressuring members with a pressing mechanism to pressure the stacked cells in the stack direction; and

managing a state of pressing the stacked cells by the pressing mechanism with a managing member.